ABSTRACT

An inkjet recording device including a tank incorporated inside an inkjet recording head and divided into a large-capacity main chamber and first and second vertically-arranged needle-receiving chambers. Each needle-receiving chamber includes a connecting hole for communication with the main chamber and an opening for receiving a needle. First and second needles that pass through corresponding first and second resilient joints that seal the opening are inserted into the corresponding first and second needle-receiving chambers. The upper first needle is connected to a pump for discharging air through a first tube, and the lower second needle is connected to a main tank for supplying ink through a second tube. In each needle-receiving chamber, the connecting hole is positioned above the opening, and/or the connecting hole is made small. When the connecting hole is above the opening, the inkjet recording device reduces the tendency of ink to solidify near holes of the needles used to supply ink. When the connecting hole is small, an ink meniscus is formed in the connecting hole, which likewise reduces the tendency of the ink to solidify.